

Abstract of the Disclosure

An antenna structure for solid-state fabrication includes a ground plane comprising a stack of a plurality of planar conductors, each having its broad surfaces adjacent to, but insulated from, adjacent planar
5 conductors. At least one edge of each conductor of the stack is registered with like edges of other conductors to define a discontinuous surface. A radiating element is spaced from the surface. Through vias extend between the conductors of the stack to form a conductive matrix. A
10 feed for the radiating element extends toward, but does not contact, the matrix.